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M E D I C A L O F F I C E R O F H E A L T H

. F O R T H E Y E A R

1951.

(Serial Number of Report - 39).





COUNCIL OFFICES,  
CHIPPING SODBURY,  
NR. BRISTOL.

Ladies and Gentlemen,

I have pleasure in presenting my thirteenth Annual Report on the Health of the Sodbury Rural District, for the year 1951.

This Report which is the 39th. of its kind, is drawn up in accordance with the Ministry of Health Circular 112/51. The Vital Statistics are calculated on the corrected births and deaths figures supplied by the Registrar General.

I am,

Your obedient servant,

J. MENZIES CORMACK,

Medical Officer of Health.



SODBURY RURAL DISTRICT.

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Composition of District --

Parishes of Acton Rurville, Alderley, Badminton, Cold Ashton, Dodington, Doynton, Dyrham & Hinton, Frampton Cotterell, Filton, Horton, Hawkesbury, Iron Acton, Little Sodbury, Marshfield, Pucklechurch, Sodbury, Stoke Gifford, Tormarton, Westerleigh, Wick & Abson, Wickwar, Winterbourne, Yate.

CHAIRMAN OF COUNCIL --

Lt. Col. P.L.E. Walker, D.S.O., D.L., J.P.,  
Great House, Chipping Sodbury.

Clerk to the Council --

F.R. Appleby, M.A.,

Medical Officer of Health --

J. Menzies Cermack, M.B., Ch.B., D.P.H., D.P.A.

Inspectorate --

J.H.E. Steele, M.S.I.A.,  
Chief Sanitary Inspector.

H.S.Hale, M.S.I.A., M.R.S.I.        )  
G.Fry, M.S.I.A.                        )

Rodent Inspector/Operator.

R.E. Hanham.

Clerks --

I.A.Beardsley               (Mrs.)  
E. Pritchard               (Miss).



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S T A T I S T I C S 1951.

General Statistics.

Area of District	68,557 acres.
Population (Registrar-General's estimate mid 1951.)	37,880.
Estimated number inhabited houses (December - Rate books)	11,668.
Rateable Value	£186,680.
Sum represented by penny rate	£736, 2.11.

Extracts from Vital Statistics.

	Total	M.	F.	
Live Births - Legitimate	609	322	287	Birth rate per 1,000 estimated resident population mid -1951
Illegitimate	22	7	15	
				16.7
				England & Wales 15.5
Still Births Legitimate	17	11	6	Rate per 1,000 Civil Population 0.4
Illegitimate		-	-	
				England & Wales 0.36.
Deaths of	10	3	7	
} Legitimate				
Infants	1	1	-	
} Illegitimate				
Under 1 year				
	M	F		
Deaths (Total)	193	172		Death rate oer 1,000 estimated population 11.0
				England & Wales 12.5





TABLE SHOWING PRINCIPAL CAUSES OF DEATH. 1951.

Cause of Death	Under							Total
	1 yr.	1-	5-	15-	25-	45-	65-	
1. Tuberculosis, respiratory			2		3	5		10
2. Tuberculosis, other					1		1	2
3. Syphilitic disease								-
4. Diphtheria								-
5. Whooping Cough								-
6. Meningo-coccal infection								-
7. Acute Poliomyelitis		1			1			2
8. Measles								-
9. Other infective and parasitic diseases								-
10. Malignant neoplasm, stomach				1		1	4	2
11. Malignant neoplasm, lung, bronchus						4	4	8
12. Malignant neoplasm, breast				1		1	2	6
13. Malignant neoplasm, uterus						2	2	5
14. Other malignant & lymphatic neoplasms				2		10	15	39
15. Leukemia, leukaemia		1					1	1
16. Diabetes								1
17. Vascular lesions of nervous system						7	19	45
18. Coronary disease, angina						7	17	28
19. Hypertension with heart disease						3	1	6
20. Other heart disease					3	10	23	71
21. Other circulatory disease						5	2	15
22. Influenza						2	4	11
23. Pneumonia	1					4	7	24
24. Bronchitis						2	5	15
25. Other diseases of respiratory system						1	2	5
26. Ulcer of stomach and duodenum						1	1	3
27. Gastritis, enteritis and diarrhoea	1							2
28. Nephritis and nephrosis			1		1			6
29. Hyperplasia of prostate							1	3
30. Pregnancy, childbirth, abortion								-
31. Congenital malformations	4	1						5
32. Other defined and ill-defined diseases		1		3	4	3	6	26
33. Motor vehicle accidents			1		2	2	1	7
34. All other accidents	2				2	2	1	7
35. Suicide					1	1	1	3
36. Homicide and operations of war.								-



TABLE SHOWING INCIDENCE OF INFECTIOUS DISEASE IN AGE GROUPS. 1951.

[illegible]





Table showing Incidence of Infectious Disease in Parishes. 1951.

Parish	Diphtheria	Dysentery	Typhoid	Erysipelas	Measles	Food Poisoning	Pneumonia	Polio-myelitis.	Puer-peral Pyrexia	Scarlet Fever	Whooping Cough.	Polio-encephalitis.
Acton Turville					4							
Alderley					15		3					
Bedminton					17							
Chipping Sodbury					19					2		
Calpitt Heath				1	11					3		
Codrington												
Cold Ashton					4						1	
Dedington					2							
Doynton				1								
Dyrlam & Hinton					5			1		3	1	
Filton		10	3	3	380	12	9	2	1	10	46	
Fraughton Cotterell					10		3		1			
Frerchay		8			3		9			1	3	
Hambrook					5		2				1	
Hawkesbury					95					4		
Hillesley					24					2		
Horton					1							
Iron Acton					27						1	
Little Sodbury												
Marshfield					11			2			9	
Old Sodbury					15							
Pucklechurch					11					18	2	
Stoke Gifford		1			75		2	1		4	15	
Tormarton					2					2		
Westerleigh					2					1		
Wick					10	1				3		
Wickwar					25							
Winterbourne					20		4			3	8	
Yate					10					5		
TOTAL		19	3	5	803	13	32	6	2	61	88	



# A P P E N D I X    D    (i)

## ANNUAL RETURN OF FOOD POISONING NOTIFICATIONS (Corrected)

1. Local Authority    Sodbury Rural District Council    Year 1951.

2. Food Poisoning Notifications (Corrected Returned to R.G.)

1st. Quarter	2nd. Quarter	3rd. Quarter	4th. Quarter	TOTAL.
2	-	5	6	13

Outbreaks due to identified agents

Total outbreaks	1	Total cases	3
+ Outbreaks due to:-			
(a) Chemical Poisons		(d) Cl. botulinum	
(b) Salmonella Organisms    x		(e) Other bacteria.	
(c) Staphylococci			
(including toxin)			

4. Outbreaks of undiscovered cause

Total outbreaks	4	Total cases	8
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5. Single cases

Agent identified	Unknown cause	Total
1	1	2

## TUBERCULOSIS.

New Cases and Deaths in Age Groups    1951.

Age	NEW CASES				DEATHS.			
	Respiratory		Non Respiratory		Respiratory		Non Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year								
1-5 years								
5-15 "	4	1	2	-				
15-25 "	4	8	1	2	2	-	1	-
25-35 "	2	5	-	2	2	1	1	-
35-45 "	4	3	-	-	-	1	-	-
45-55	2	1	-	-	2	-	-	-
55-65	2	-	-	-	1	-	-	-
65 Upwards	1	-	-	1	1	-	-	-
TOTALS	19	18	3	5	8	2	2	-





National Assistance Act 48. (Sect. 47).

National Assistance (Amendment) Act 51.

Application was made to the Magistrates Court at Staple Hill under Section 1 (3) of the National Assistance (Amendment) Act 51 for an order for removal on the 13th. December 1951.

The application was necessary on account of the illness (heart disease) of an elderly man who had been living with his daughter in an unfit house which was in a verminous and insanitary condition.

The position had been under close observation for some months and urgent action became necessary owing to the worsening of the cardiac condition. The daughter was unfortunately quite unable mentally to cope with the situation. Thanks to the co-operation of the Clerk to the Magistrates, Mr. L.M. Harris, the local general practitioner, and Clerk to the Regional Hospital Board, an order was obtained on day of application and patient removed in the evening to Thornbury Hospital. No action was taken to extend the order and patient remained in hospital but died of heart disease some two months later.



SANITARY CIRCUMSTANCES OF THE AREA.  
SUMMARY OF GENERAL INSPECTIONS.

INFECTIOUS DISEASE

Visits made	101.
Premises treated	50.

DISINFESTATIONS

Inspections & treatments of premises (fleas & cockroaches)	8.
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DRAINAGE

No. of drains inspected	88.
No. of drains tested	17.
Visits for supervision of repair	31.
No. of cesspools inspected	38.
No. of cesspools found to be defective	12.
No. of closets inspected	91.
Inspection of sewers & sewage disposal works - visits	343.

FOOD

Visits to Meat Shops, Stalls & Vehicles	28.
Inspection of Bakehouses	34.
Inspection of Food Shops & Premises	336.

GENERAL INSPECTIONS

Picture Houses & Hotels	15.
Factories	93.
Smoke Observations	9.
Moveable Dwellings	85.
Schools	18.
Public Conveniences	107.
Mortuaries	53.
Pollution of Watercourses	46.
Samples of Effluent taken	12.
Control of Refuse & Salvage	131.
Unclassified Visits	63.

INSPECTIONS UNDER

Shops Act	64.
Petroleum Acts & Orders	72.

WATER SUPPLY

Visits	415.
Samples taken	26.

RODENT CONTROL.

No. of Inspections	523.
" " Re-inspections	1,270.



All samples of final effluent taken during the year have satisfied the Standards laid down by the Commissioners eighth report.





(d) WINTERBOURNE & FRAMPTON COTTERELL SEWERAGE SCHEME.

This trunk sewerage scheme which is being constructed at a total estimated cost of £533,372 is now well advanced and consists in the main of four portions, namely:-

(1) Main valley sewer. (2) Coalpit Heath and Frampton Cotterell sewers. (3) Extensions to Moorend Sewage disposal works. (4) Local sewers to Iron Acton, parts of Westerleigh and Hanbrook.

Despite weather difficulties the work has proceeded satisfactorily and progress up to December 31st. 1951 was as follows: all four contracts were placed, these are:-

Contract No. 1, the extensions to Moorend works have run for seventeen months out of the estimated thirty months.

Contract No. 2, which consists of the main valley sewer has completed twentythree out of the estimated thirty months.

Contract No. 3, this contract has now run for a period of six months out of the envisaged period of twentyfour months.

Contract No. 4, this contract has now run for eleven months out of a period of thirty months.

WATER SUPPLIES.

With the exception of the parish of Hawkesbury where the water is owned and controlled by the Council, water is supplied by the West Gloucestershire Water Company.

The report by the Company shows:-

(1) Water supplied by the Company has been uninterrupted in the Sodbury Rural District during 1951, the quality has been satisfactory.

(2) 123 Output water samples were taken and only one sample disclosed slight B Coli in the Sodbury area and this was at Doynton.

After the small tank through which the Doynton water passed had been chlorinated, further samples proved negative.

(3) None of the water supplied by the Company has a plumbo solvent action.

Number of connections in the area was as follows:-

<u>Parish</u>	<u>Domestic</u>	<u>Meter.</u>
Acton Turville	85	12
Alderley	-	-
Chipping Sodbury	387	23
Dodington	48	34
Doynton	70	17
Dyrham & Hinton	1	6
Filton	3403	66
Frampton Cotterell	673	34
Great Badminton	102	20
Hawkesbury	41	38
Horton	2	5
Iron Acton	201	16
Little Sodbury	5	6
Marshfield	329	58
Old Sodbury	249	28
Pucklechurch	470	44





<u>Parish</u>	<u>Domestic</u>	<u>Meter.</u>
Stoke Gifford	470	44.
Tornarton	57	29
Westerleigh	457	57
Wick & Abson	245	29
Wickwar	214	37
Winterbourne	1130	88
Yate	552	62
	<u>8986</u>	<u>731.</u>

Number of Mains laid:-

<u>Parish</u>	3"	4"	6"	10"	12"	15"
Acton Turville	46					
Chipping Sodbury	56				140	
Dodington	15					
Dyrham & Hinton		106				
Filton		8	233			
Frampton Cotterell				13		153
Old Sodbury		33				
Pucklechurch			170			
Stoke Gifford	78					
Westerleigh		53				
Wick & Abson	4		2540			
Wickwar	18	21				
Winterbourne	4	340				
Yate		192	379			
Total	<u>221</u>	<u>753</u>	<u>3322</u>	<u>13</u>	<u>140</u>	<u>153</u>

Independent Water Sample.

Report on sample of water received from Chipping Sodbury on the 22nd. January 1952. (Taken by Sanitary Inspector).

Source: Tap in Council Yard, Chipping Sodbury. Date 22.1.52.

Physical Characters: Clear, bright, colourless, no odour. pH 7.6  
No charring or odour on igniting solids.

		(All results in parts per million)	<u>REMARKS.</u>
Total Solids		404	Chemically satisfactory.
Loss on ignition		56	
Mineral matter		348	
Alkalinity (as CaCO <sub>3</sub> )			
Total Hardness		248	
(a) Permanent		44	
(b) Temporary		204	
Chlorine (as Chloride)		46	
Nitrogen as Saline and Free Ammonia		nil	
"    " Albuminoid Ammonia		0.01	
"    " Nitrates		0.46	
"    " Nitrites		nil	
Oxygen absorbed from Permanganate (4hrs. at 80°F)			
Poisonous Metals	Iron (Fe)	0.4	
Free Carbon Dioxide			
Silica (SiO <sub>2</sub> )			
Residual Chlorine		Nil	
Sediment			



BACTERIOLOGICAL EXAMINATION pH 368.

Remarks.

Number of colonies per ml. of original water		
Developing at 37°C	4	
at 20-22°C	8	Satisfactory.
Probable number of Coli-aerogenes organisms		
per 100 ml. of original water	0	
Faecal B coli type I absent		

HAWKESBURY WATER SUPPLIES.

The Council's pumping station at Kilcot Valley has functioned satisfactorily during the year and new connections have been made to farms and cottages.

The average daily consumption has been 44,495 gallons giving a total of 16,240,723 gallons for the year, being a slight decrease of that for 1950. The maximum rest level of the water in the well has been 18'0" and minimum rest level of 10'0" above the floor of the well below which is a bore hole 12" diameter to a depth of 24'.

Water from the well is chlorinated at the pumping station as a precautionary measure, the residual chlorine being 0.1 parts per million in the output water at the pump house.

The number of premises supplied in the hamlets of Hawkesbury Upton, Hillesley, Tresham and the Commons is as follows:-

Domestic connections 31st. December 1951.	=	126.
Metered connections to farms	=	25.
Standpipes	=	25.

Samples for bacteriological examination are taken periodically both direct from the well at the pump house and from standpipes in the hamlets, a typical analysis is as follows:-

Sample taken from tap at Mrs. Hiscock's Cottage, Hillesley, on the 3rd. day of July 1951.

The sample contains (parts per million):-

Total Dissolved Solids	359
Combined Chlorine	15
Nitrogen present as Nitrates	0.8
Nitrogen present as Nitrites	Absent
Mineral Ammonia as N	0.016
Organic Ammonia as N	Absent
Oxygen required to oxidise the organic matter	
in 4 hours	Nil
Temporary Hardness	190
Permanent Hardness	76
Total Hardness	266
Free Chlorine	0.01

BACTERIOLOGICAL EXAMINATION.

Micro-organisms in one cubic centimetre capable	
of growing on Agar at 22°C. in 3 days	2
Micro-organisms in one cubic centimetre capable	
of growing on Agar at 37°C. in 48 hours	3
B. Coli No. per 100 c.cs.	0

MICROSCOPIC EXAMINATION.

The sample shows the presence of a very minute sediment.



FACTORIES ACT 1937 and 1948.

Inspection for the purpose of provisions as to health.  
Inspections made by Sanitary Inspectors.

Premises	No. on Register.	NUMBER OF		
		Inspections.	Written Notices	Occupiers prosecuted.
(1) Factories in which Sects. 1, 2, 3, 4 & 6 are to be enforced by Local Authorities.	36	57	-	None
(2) Factories not included in which Sect. 7 is enforced by the Local Authority	101	36	2	None.
(3) Other Premises under the Act (excluding outworkers premises)	-	-	-	-
	137	93	2	None

CASES IN WHICH DEFECTS WERE FOUND.

Particulars.	No of cases in which defects were found.			
	Found	Remedied	Referred To H.M. Inspector	By H.M. Inspector
Want of Cleanliness	-	-	-	-
Overcrowding	-	-	-	-
Unreasonable Temperature	-	-	-	-
Inadequate Ventilation	-	-	-	-
Ineffective draining of floor	-	-	-	-
Sanitary Convenience	-	-	-	-
(a) Insufficient	-	-	-	-
(b) Unsuitable or defective	2	2	-	2
(c) Not separate for sexes	-	-	-	-
Other offences	-	-	-	-
TOTAL	2	2	-	2

OUTWORK.

(Section 110 and 111) Form No. 572  
(Revised)

Nature of Work.	No. of out-workers in August list required by Sect. 110 (1) (c)	No. of cases of default in sending lists to the Council.	No of prosecutions for failure to supply lists.
Making of Wearing apparel.	19	-	-





PUBLIC CONVENIENCES.

The Council have four public conveniences, one at Chipping Sodbury, two in Filton - Gloucester Road, N., and Northville, and one at Marshfield. The cleaning of these conveniences is undertaken by four part-time caretakers.

The revenue from these conveniences was:-

	£	s.	d.
Chipping Sodbury	78.	4.	4.
Gloucester Road North	28.	4.	6.
Northville	7.	14.	10.
Marshfield	12.	13.	4.
Total	£126.	17.	0.

MORTUARY - FILTON.

These premises were used on 9 occasions during 1951.

SLAUGHTER OF ANIMALS ACT 1933.

No new licences were issued during the year. There are 45 licences now operative.

PETROLEUM (Consolidation) Act 1928.

Operative Licences to store Petroleum Spirit	117.
" " " " Carbide of Calcium	3.

FOOD & DRUGS ACT 1938.

No. of Premises	272
No. of Visits	398.

ICE CREAM (Heat Treatment) REGULATIONS.

There has been an addition of 11 retail premises registered during the year making a total of 72. There are two manufacturers who use the "Hot Mix" method, and their product is sold 'loose'. The Remaining retailers are offering "pre-packed" Ice Cream.

Regular sampling has been carried out and in no instance was a poor result recorded.

RAG FLOCK & OTHER FILLING MATERIALS  
ACT, 1951.

The above regulations came into operation on the first day of November 1951.

Two premises are subject to the regulations, one being licensed for the manufacture of rag flock and the other registered for the use of





filling materials.

A sample was taken from the licensed premises and the Analyst's report satisfied the prescribed test.

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RODENT CONTROL.

The following is a brief summary of work carried out by the Rodent Control Section of the Health Department.

Inspections	523.
Reinspections	1,270.

There were 31 properties proved to have major type infestations of rats and two were major infestations of mice, whilst the remaining infestations were of the minor type.

To meet with the requirements of the Ministry of Agriculture & Fisheries the baiting of sewer access chambers is carried out twice yearly. It is interesting to note that only 14 bait takes have been recorded - 5 at Wickwar and 9 at Filton.

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FOOD AND DRUGS ACT 1938.

During the year the undermentioned meat and other foods were condemned:-

Fresh meat (Butchers Shops)	232 lbs.
Corned Beef	24 "
Han (tinned)	$26\frac{3}{4}$ "
Prunes	15 "
Foodstuffs (tinned)	167 tins.

